

# GIS Users Meeting December 7th, 2017 Minutes

Welcome by Everett Root, Office of Technology Partnerships, Center for Shared Solutions. Everett shared an announcement that starting in 2018 the GIS Users Meeting Schedule will change to quarterly. Meetings will be held in Feb, May, August and November, and will still be on the first Thursday of the month.

## **Federal**

**USGS** – Charley Hickman – 6 more counties of LiDAR are available on the USGS site: Alger, Grand Traverse, Leelanau, Lake, Missaukee and Wexford.

**USDA/FSA** – Sarah AcMoody – USDA will fly NAIP Imagery in 2018 with 60-centimeter resolution. It will be leaf on flown in June, July and August. The 2016 NAIP is now available as a service.

**National Guard** – Eric Starn – Doing lots of internal projects and hosting them on the GIS Portal. Emergency Management services are growing. Got Spatial data for all the armories and are updating Facilities for the entire state.

## **State**

**MDOT Survey** – Karl Brands–Doing internal projects, 5 Counties doing culvert collection for TAMS, plan to do 30 counties of culvert collection for TAMS next year. Plan to do statewide LiDAR collection for all MDOT routes.

**Office of the Great Lakes** – Matt Warner – Michigan Coastal Management Program. There are grant funding opportunities available for coastal management to local government agencies. Great Lakes Shoreline viewer: Lake Michigan and Lake Superior shorelines will be posted to MIS. The office of the Great Lakes will be moving from DEQ to DNR.

**CSS** – Ulrika Zay – Open Data Forum went well in November. Will be doing broadband and First Net Forums.

**CSS** – Everett Root – MGF Update. Esri and One Spatial are installing software and setting up business rules. Hope to have something in place by September. FEMA LiDAR has 29 counties, 30 more counties of LiDAR with USDA funds. 4,000 sq miles are done. 2016 LiDAR will be available on USGS 3 DEP Site.

USGS 3 DEP site has been added to the Michigan.gov/gis site as a link. Going up to the Upper Peninsula next week to meet with Counties to discuss exchanging 12" imagery for parcels. 2018 flight planning is underway. Can create contours by county and can get building footprints as well.

**MDOT** – Lisa Martin – Using Zeno collectors to get information into the geopak software and workflows for TAMS initiative for maintenance.

**DEQ** – Leni Steiner-Zenender- Waiting on 10.4 push to her computer.

**DEQ** – John Esch – Involved PFOSS issue. Use of LiDAR is increasing across DEQ. Working through ELA.

**TED** – Lloyd Conway – Working with the mass layoff and plant closing database since 1989 and moving that into the geo spatial data world. Using Q-GIS and open source platforms

**MLB-FTA** – Brian Woodin – Working on public interface for viewing of parcels.

**MLB-FTA** – Kara Jueckstick - Working in partnership with Dynometrics for demolition of abandoned buildings.

**MLB-FTA** – Jennifer Quinlivan – Working on state owned foreclosed properties to get them ready for disposal.

**DNR** – Nick Swartz – Working on Forest Inventory Process and using collector in the field.

**DNR** – James Tchorzynski – The DNR Open Data Portal is up and running. Working on the DNR Asset Management Road Project and ORV accessibility so the people will know which roads are publicly accessible. Meeting with Planet, an imagery company. Drone program, bought 2 drones. Will be flying soon. Successful release of the new deer check application.

**DNR Wildlife** – Marshall Strong – Using GIS in Mecosta, Montcalm and Kent counties to track Chronic Wasting Disease. There is mandatory testing in these counties for deer. Want to put results into a GIS viewer.

**MSP** – Matt McCormick – Working on a Damage Assessment application using Survey 123. Geoprocessing scripts to provide reports.

## **Associations**

IMAGIN – Chad Collins - Upcoming conference June 17<sup>th</sup>-19<sup>th</sup> at the new Park Place Hotel Conference Center.

MiCAMP – Chris Cantrel - Next conference will be held September 26<sup>th</sup> to September 28<sup>th</sup>. The post conference survey has been compiled and most people really liked the shorter sessions. The response to the survey was appreciated.

## **Regional**

Ann Burns – SEMCOG – Wrapping up the 2045 Regional Development Forecast, using the Urban SIM Model and will have an interactive map of the output. Deadline of mid November. Collecting data for the Asset Management pilot project which is an initiative coming out of the Governor's office to collect underground utility data and to combine the underground utility data with the road data.

Joan Gibson – WMRPC – Region 8 - PASER Reports are on hold. Attending road task force meetings. Brought hiking maps for Grand Region. Planning for the Map Conference that is going to be held in Grand Rapids. Working on Maple Valley Project in Montcalm County and looking for shapefiles for that area.

## **Local**

Andy Skelton – City of Lansing – Using GIS and City Works for permitting and filling in gaps in the asset data. Getting ready to set up an imagery server.

Sam Quon – City of Lansing –A new mayor was elected in November, so there will be training for the new staff. The EOC operators are being trained to use City Works to track events and generate reports for reimbursement from FEMA. Working on CEPA permits. Integrating document management with GIS. Finished up a recycling audit using Survey 123, are generating reports. Automatic vehicle Location Pilot with Public Service Department putting GPS on vehicles. Local update of CENSUS addressing and will verify addresses.

Trevor Floyd – St. Clair County – Working with address databases. Having issues with ArcPro. ArcGIS Online has 4 portals, trying to do Portal

collaboration. Have Main Portal, Emergency Management just purchased a Portal, and K-12 Grace has a Portal.

Chris Cantrell – Midland County – Upgrading from server basic to standard. Looking to expedite LiDAR. Working on June flood damage assessments. Doing mobile data collection for Mosquito Control. Nathan Fazer is now on board in Midland County.

## **Other**

Mike Cousins – OHM Advisors – Working on SAW Grants, SEMCOG Regional Pilots. Likes to use Arc Pro in conjunction with Drone and GPS Data and Mobile LiDAR. Using ArcGIS Online for Dashboards, Collector and Custom Maps. Really likes Work Force. Using Survey 123/ Collector and Trimble Catalyst for GPS. Been doing Augmented Reality Projects. Problems with Arc GIS Pro crashing. Drone program is going well.

Michelle Lazar – FTC&H – Water Ways Team, Water Asset Management Plans are due December 31<sup>st</sup>, and areas that got SAW grants are reaping the benefits of that for the Water Asset Management Plans.

Claire Peterson – MSU/MISN – Partner meeting at Treetops Resort next week. Partner data is coming in from the field, currently are working on QC.

Oscar Castaneda – MSU/MISN – Focusing on the data coming thru the web site from work areas. Updating 3 MISIN applications. Have 25,000 registered users.

Nicole Smith – MSU Fisheries & Wildlife Lab – Putting together a lake water quality database for the contiguous United States. Working on the GIS aspect of bringing an ecological context data for the lakes, making regional summaries. LAGOS data set released in October on EDI Data Portal. Building Lake identifiers crosswalk using NHD data.

Baily Glassford – Wrightman & Associates – Doing SAW Grants. Working on Master plans for Utilities. Working using Collector and GPS.

Chad Collins – InfoGeographics – Working on SAW grant projects, Parcel Fabric projects. Utilities projects. Implementing GeoCortex Workflow 5 and working with ArcGIS Online doing Mobil Application.

John Kelly – Commonwealth Associates – Environmental GIS work for utilities.

Casey Wilson – MSU Library –Big 10 GeoPortal is in its 3<sup>rd</sup> year. Building a repository linking to state and local data, but the links sometimes break when the data is updated, which is a problem that is being worked on. Did a Python programming class for ArcGIS at NC State.

## **Morning Special Topic**

**Augmented Reality:** Presented by Mike Cousins of OHM Advisors.

Augmented Reality is changing the way we view the world. An explanation of what Augmented Reality is, where it is going, and what the difference is between Augmented vs Virtual Realities. A demonstration of a Microsoft HoloLens will be given

## **Afternoon Educational Topic**

**CARTO** – Rod Erickson, Public Sector Lead at CARTO presented trends and developments in location intelligence for the public sector. How CARTO users in the public sector have unlocked the potential of their data for citizen services, open data initiatives and many other trending use cases they are seeing at CARTO. His examples included Michigan based CARTO users as well as other organizations and cities.

**Review of Hands-On Drone-to-GIS Workshop** – During the spring and summer of 2017, RS&GIS and Northwestern Michigan College Aviation partnered to offer a drone workshop focused on the entire process of drone use, from regulations to flying to GIS. Bob Goodwin of RS&GIS discussed successes, challenges, lessons learned and future plans for this unique workshop.